

**General Services Administration
Federal Acquisition Service
Assisted Acquisition Services Division
Southeast Sunbelt Region**

Task Order: ID04190090		GSA Contracting Officer:	
Date: Feb 24, 2021		Sara Harris, Senior Contracting Officer	
Client Organization: AFCEC/CXAE 139 Barnes Dr. Suite 2 Tyndall AFB, FL 32403		Primary Client Representative: Walter Waltz Phone: (b) (6) Email: Walter.Waltz@us.af.mil	
Project Name: Airbase Technologies IV: Explosive Ordnance Disposal and Unmanned Systems Technologies (EODUST)		Period of Performance: BY: 15 Jun 2020 to 14 Jun 2021 OY1: 15 Jun 2021 to 14 Jun 2022 OY2: 15 Jun 2022 to 14 Jun 2023 OY3: 15 Jun 2023 to 14 Jun 2024 OY4: 15 Jun 2024 to 14 Jun 2025 52.218-8 (if needed): 15 Jun 2025 to 14 Dec 2025	
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MOD LOG:

Modification #	Date	Description
0005	Feb 26, 2021	Add Incremental Funding, Deobligate Funding, and update PWS paragraph 6.6.1.
0004	Jan 6, 2021	Add Incremental Funding
0003	Sep 29, 2020	Incorporate DD254 (dated 29 Sep 2020) into the contract. Also, the Alternate COR information is corrected based on a current Alternate COR appointment.
0002	Sep 2, 2020	Add funding, adjust ODC ceiling from OY1-4 to BY, and add DFARS 252.228-7001 Ground and Flight Risk (June 2010)
0001	July 28, 2020	Correct Period of Performance, realign some ODC ceiling from OY1-4 to base year and increase CLIN 0001 ceiling accordingly, change the Alternate COR information, clarify material procurements process by adding paragraph 6.6.2., edit paragraph 9, and incremental funding

Amendment #	Date	Description
Amendment 001	Dec 8, 2019	Add (DEVIATION 2019-O0003) to 52.219-14
Amendment 002	Dec 15, 2019	Correct Period of Performance on face page

Performance Work Statement (PWS)

For

Airbase Technologies IV: EOD and Unmanned Systems Technologies (EODUST)

1 Introduction

Air Force Civil Engineer Center, Requirements and Acquisition Division (AFCEC/CXA), supports all phases of the civil engineer research, development, test, evaluation and acquisition process. It plans and executes programs for acquiring systems, equipment, and technology to fulfill civil engineering (CE) needs for in-garrison, expeditionary, and contingency installations and air bases. The purpose of this Task Order (TO) is to provide on-site technical and professional expertise in support of Explosive Ordnance Disposal (EOD) and Unmanned Systems Technologies (EODUST) Research, Development, Test and Evaluation (RDT&E) and new technology assessments and acquisitions for AFCEC/CXA at Tyndall Air Force Base

(TAFB), FL. All work performed under this TO by the contractor shall be performed in accordance with (IAW) all applicable laws, regulations, Air Force (AF) standards and policies, instructions, and commercial practices. Work is to be accomplished for AFCEC/CXA, United States Air Force (USAF), located primarily on TAFB, Florida.

The overall mission of Air Force Civil Engineer Center, Airbase Acquisition Branch (AFCEC/CXAE) is to provide AF investment and acquisition decision makers with world-class science and engineering-based recommendations regarding technologies that meet current and future AF CE operational capability requirements. The scope of this TO includes RDT&E and technical engineering focused on providing CXAE with knowledge, technical data, prototypes, procedures and reports to support recommendations for materiel, technology and process solutions that advance AF EODUST capabilities. The contractor shall execute RDT&E and deliver new technologies and capabilities focusing on EODUST for the Air Force Civil Engineer Center, Airbase Acquisition Branch (AFCEC/CXAE).

1.1 Points of Contact

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Task Order Type

This TO shall be a Cost Plus Fixed Fee (CPFF) with travel cost reimbursement and Other Direct Costs (ODCs) as Not to Exceed (NTE) amounts as stated in the Government Cost Estimate. A notional yearly estimate is as follows:

ODCs	BY	OY1	OY2	OY3	OY4
Travel	\$100.0k	\$102.5k	\$105.1k	\$107.7k	\$110.4k
Material	\$6600k	\$900k	\$950k	\$1204k	\$1308k

1.2 North American Industry Classification System (NAICS)

The NAICS code for this TO is 541715 Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology).

1.3 Deliverables

The contractor shall provide all contract deliverables listed below IAW the TO Contract Data Requirements List (CDRL).

CDRL A001 – Scientific and Technical Reports – Final Report

CDRL A002 – Interim Technical Report or Presentation

CDRL A003 – R&D Project Summary – Semiannual Project Summary

CDRL A004 – Monthly Status Report (MSR)

CDRL A005 – Funds and Man-Hour Expenditure Report

2 Background

AFCEC develops, tests and evaluates EOD technologies, and Commercial Off-the-Shelf (COTS) and custom-built robotic and autonomous systems to support Air Force Civil Engineering (CE). AFCEC provides full operational EOD and unmanned systems capability testing, utilizing on-site facilities, ranges, and networks specifically designed for EOD and unmanned systems RDT&E. Collaborating directly with industry leaders and Department of Defense (DoD) partners, the vision is to deliver the most advanced, agile, dependable and secure EOD and unmanned systems including platforms, payloads, software and associated equipment.

Past successes include development of a lightweight backpack robot with stair climbing ability and day/night vision; fielding of a larger, more capable robot for EOD operations; adapting a high-powered laser on a hardened vehicle to detonate Unexploded Explosive Ordnance (UXOs) on an airfield; development of plug-n-play applique kits to automate many different types of vehicles and construction equipment; tested and evaluated software for Machine Learning, including airfield hazard detection, autonomous pickup, and 3D modeling and simulations; development of communication systems compliant with DoD radio frequency (RF) and cybersecurity requirements; and development of small Unmanned Aircraft Systems (sUAS) for Rapid Airfield Damage Recovery (RADR).

3 Scope

The objective of this effort is EOD and unmanned systems RDT&E that addresses Explosive Ordnance Disposal (EOD), Rapid Airfield Damage Repair (RADR), Civil Engineer Operations, and Logistics and Mission Support. This effort will develop new technologies in EOD render-safe and clearance operations, fully and semi-autonomous operations, sensor/payload integration, multi-vehicle interaction, and robotic applications that support CE and mission support

operations for both fixed and deployed installations. Systems will interact with other networked manned and unmanned systems using relevant DoD interface standards such as: Joint Architecture for Unmanned Systems (JAUS), Society of Automotive Engineers Aerospace Standards Unmanned Systems (SAE AS-4), North Atlantic Treaty Organization (NATO) Standardization Agreement (STANAG) 4586, Robotics Interoperability Profiles, Cursor on Target, and/or Extensible Markup Language (XML).

The contractor shall be responsible for conducting RDT&E and technical engineering projects focused on providing solutions to identified airbase technology capability gaps in the areas of EODUST outlined in Technical Thrust Areas 1-4 (Section 3.1 – 3.4). The objective of this effort is to deliver technical data and products (e.g., reports, papers and prototypes) to meet AF CE enterprise technical objectives in support of the CE mission. The Government may provide supplemental documents clarifying technical priorities, RDT&E objectives and technical requirements, including drawings or specifications, schedule constraints, documentation or CDRL requirements, and any special data formats. Each project is expected to result in at least one detailed technical report/paper or journal article each year of the effort as well as a final comprehensive technical report at the completion of the TO. RDT&E will include laboratory and field research; material, technology and process development; sample analysis; material characterization; prototyping; designing and fabrication of test articles; test and evaluation; modeling and simulation (M&S); preparation of test plans for physical and virtual experiments; risk analysis; operations and maintenance enhancements; field trials; tests and experiments; design and construction of upgraded/new test venues; rapid war fighter initiatives; and emerging technology assessments. Final product development may culminate in Technical Data Packages (TDPs) supporting acquisition and procurement of the developed system.

Areas to be considered include Explosive Ordnance Disposal (EOD), Unmanned Systems, Autonomous Systems, Sensor/Payload Integration, Multi-Vehicle Interactions, Heavy Equipment Operations, Logistics and Materiel Handling, Firefighting, Rapid Damage Assessment, Operations in Hazardous Environments (including chemical, biological, radiological, nuclear, and explosive or CBRNE), Force Protection, Security, and CE Operations. The contractor shall provide expert engineering, scientific, RDT&E, and related services to AFCEC/CXA. The contractor shall have competency and demonstrate proficiency in the following technical skill areas:

- Planning and executing bench-level research to understand engineering principles relevant to EODUST which support the AF CE enterprise.
- Performing large-scale, outdoor experiments, tests and demonstrations of sub-scale and full-scale technologies in relevant environments. Experience should include planning and scheduling of relevant outdoor activities, coordinating with governing authorities, providing logistics for outdoor systems testing, executing test plans, and performing test site restoration as required.
- Developing or coordinating initial manufacturing and production capabilities needed to integrate new materials, technologies or processes into AF operational systems. Evaluating prototypes to facilitate technology transition and potential integration into AF operations.

- Maintaining competence and currency with published literature and information within a technical area of interest. The contractor must possess knowledge and skills relevant to EODUST to assess current state-of-the-art and avoid unnecessary duplication of effort.
- Preparing research and technical proposals including problem statements, technical approaches, anticipated outcomes, schedules, and resource estimates.
- Preparing research/test plans for RDT&E and technical engineering tests and evaluations which include sufficient background to provide basis for the project, overall project objectives, analyses of alternatives, technical objectives, technical approach, expected results, safety and environmental considerations (including hazardous materials and hazardous waste requirements), and schedule and resource estimates.
- Hiring, retaining and managing a professional staff consisting of highly skilled research engineers, technical writers, technicians and other professionals deemed necessary to execute the objectives of this TO. Providing professional, engineering and technical expertise capable of executing complex RDT&E and performing engineering-based technical and theoretical evaluations.

3.1 Technical Thrust Area 1: Explosive Ordnance Disposal (EOD)

Thrust Area 1 is to develop new technologies and networked unmanned systems that can enhance and advance current EOD capabilities in terms of speed, safety for EOD personnel, and performance of clearance and render-safe operations. Four application areas are:

- 3.1.1 Post-Attack and Airfield Clearance: automatically navigate, inspect, and clear highly damaged and cratered aircraft operating surfaces of Unexploded Explosive Ordnance (UXOs) and ordnance debris while maintaining communications and situational awareness between all manned and unmanned systems. Current scenarios envision anti-access/area denial (A2/AD) attacks employing 1000's of submunitions that create hundreds of medium-sized (2-3m diameter) craters and spalls, along with large numbers of UXOs. Ordnance on the selected aircraft operating surfaces will need to be neutralized, verified safe, and cleared within one hour.
- 3.1.2 Improvised Explosive Device (IED): navigate, inspect, and render safe IEDs while under the supervision of an experienced EOD Technician. Operations may take place in all conditions of weather, and may involve route clearance, cordon and search, emergency response, and CBRN (chemical, biological, radiological and nuclear) operations. Areas for R&D include manipulator arms, effectors or hands, and sensors that offer improved dexterity and ability to feel/interpret shapes, textures, weight, temperature, etc., and improved ability to access confined, blocked or difficult spaces.
- 3.1.3 EOD Tool Development: research, develop, test, and evaluate technologies supporting the EOD Core Competencies of Nuclear Weapon Response; Unexploded Explosive Ordnance (UXO); Aerospace Systems/Vehicles and Conventional Munitions; Irregular Warfare; Counter-Improvised Explosive Devices; Combating Weapons of Mass

Destruction; Operational Range Clearance; Defense Support to Civil Authorities; Very Important Person (VIP) Protective Support; and Mortuary Service. These technologies include, but are not limited to render safe tools, materials, unmanned system TTPs, ordnance detection/location/identification, recovery, mitigation, and/or disposal with respect to explosive, chemical, biological, and radiological threats.

- 3.1.4 Modeling and Simulation (M&S): employ modeling and simulation (M&S) techniques to support RDT&E of EOD and unmanned systems technologies. This application area covers multiple subjects, including but not limited to blast effects, mechanical properties of materials and system assemblies (static and dynamic), autonomy and mission planning, and personnel training.

3.2 Technical Thrust Area 2: Rapid Airfield Damage Repair (RADR)

Thrust Area 2 is to develop technologies for networked unmanned systems that can enhance and advance current RADR capabilities in terms of speed and safety for assessment and repair personnel. Two application areas are:

- 3.2.1 Rapid Airfield Damage Assessment: develop and integrate unmanned vehicles and sensors (along with sensors on fixed platforms) to detect, identify, classify and locate damage, debris, and UXOs on aircraft operating surfaces while maintaining communications and situational awareness between all manned and unmanned systems. Current scenarios envision A2/AD attacks employing 1000's of submunitions that create hundreds of medium-sized (2-3m diameter) craters and spalls, along with large numbers of UXOs. The assessment must be effective in all weather and obscurant conditions, and should generate recommended Minimum Aircraft Operating Surfaces (MAOS) in 30 minutes or less. This application area is linked to, and integrated with Thrust Area 1 / 3.1.1 Post-Attack and Airfield Clearance.
- 3.2.2 Airfield Damage Repair (ADR): develop and integrate unmanned airfield construction equipment (including vehicles and attachments) to support faster, safer, and more effective repair of bomb-damaged airfield surfaces. Multi-robot networking and control, including autonomous and semi-autonomous behaviors, are envisioned. The unmanned systems must maintain communications and situational awareness between all manned and unmanned systems, detect and avoid obstacles, and should support a variety of repair approaches (including, concrete, asphalt, matting, flowable fill, polymers, soil stabilization, etc.) in all weather conditions. Repairs should be complete and ready for aircraft operations within 6.5 hours.

3.3 Technical Thrust Area 3: Civil Engineering Operations (CE Ops)

Thrust Area 3 is to develop technologies for networked unmanned systems that can enhance and advance current Air Force CE operations in terms of speed, safety, economy, and performance. While several areas (notably Heavy Construction Equipment and Firefighting Vehicles) have been researched by AFCEC in the past, other areas represent potentially new opportunities to employ robotic and autonomous technologies for operations that are hazardous, difficult, repetitive, and/or otherwise lend themselves to robotic execution due to high risks or money/resource savings. Autonomous and/or semi-autonomous operations, along with multi-

vehicle operations represent opportunities for technology development. Potential application areas include:

- Construction Monitoring and Construction Equipment Automation
- Facility Inspection and Condition Assessment
- Asset Visibility/Accountability
- Additive Manufacturing
- Environmental Assessment, Flora and Fauna Surveys, and Compliance Inspections
- First Responders (including hazardous area entry, search and rescue, CBRN operations, and firefighting)
- Airfield Construction and Operations (such as automated paving, airfield marking/painting, runway rubber removal, foreign object damage (FOD) removal, grass cutting, aircraft refueling, etc.)

3.4 Technical Thrust Area 4: Logistics and Mission Support (L&MS)

Thrust Area 4 is to develop technologies for networked unmanned systems that can enhance and advance current Air Force Logistics and Mission Support (L&MS) operations in terms of speed, safety, economy, and performance. While Security Patrol Robots have been researched by AFCEC in the past, other areas represent potentially new opportunities to employ robotic and autonomous technologies for operations that are hazardous, difficult, repetitive, and/or otherwise lend themselves to robotic execution due to high risks or money/resource savings. Autonomous and/or semi-autonomous operations, along with multi-vehicle operations represent opportunities for technology development. Potential application areas include:

- Security (such as patrol automation, and perimeter and area monitoring/surveillance technologies)
- Materiel Handling and Aerial Port Operations
- Supply Logistics
- Refuse Collection
- Grass Cutting
- Mission Assurance and Force Protection (including all-hazard situational awareness, risk assessment and mitigation, decision support, and coordination of first responder assets)

4 Performance

4.1 Performance Criteria Matrix

The following performance criteria matrix shall be followed and shall be the basis for documentation of contractor performance by the Contracting Officer (CO), COR, and ACORs.

Performance Indicator	Standard	Acceptable Quality Level (AQL)	Method of Surveillance
Technical Performance	a) The contractor shall provide technical expertise, perform RDT&E, enhance O&M capabilities and deliver technical products and documents IAW standards and formats identified in Technical Areas and IAW Section 3 and with no major complaints from COR/CO regarding scope, schedule, or budget. Publishable documents shall be of high quality requiring only minor rework after Government review. b) Timely - Schedule objectives met c) Cost objectives met	a) 90% b) 90% c) 95%	Periodic surveillance and customer complaint
Technical Reporting	a) Technical Reporting is required for all projects. The contractor shall document all work performed IAW Section 3 and Section 5. Publishable documents shall be of high quality requiring only minor rework after Government review. b) Schedule objectives met	a) 90% b) 90%	100% inspection and customer complaint
Monthly Status Reports	As required in Section 5	100%	100% inspection

Program Management, Administrative Requirements	a) Deliverables provided to COR and posted in IT Solutions (ITSS) IAW Section 3 and 5 b) Timely - Schedule objectives met	a) 98% b) 95%	100% inspection
Safety, Hazardous Communication (HAZCOM), and Chemical Hygiene	As required in Section 3 with no major findings	100%	Periodic surveillance

4.2 Quality of Performance

4.2.1 Quality Control

The contractor shall implement quality control procedures to ensure the timeliness, completeness, and quality of technical work, reports and publications. Procedures should facilitate early identification of problems or issues affecting technical or contractual performance. Problems or issues requiring government attention shall be communicated in a timely manner. The contractor shall seek to ensure customer satisfaction and professional and ethical behavior of all contractor personnel. The contractor shall convey similar quality control requirements to subcontractors.

4.2.2 Quality Control Plan

The contractor shall provide and maintain a Quality Control Plan (QCP) that contains, as a minimum, the items listed below to the COR for acceptance not later than twenty (20) calendar days after award. The COR will notify the contractor of acceptance or required modifications to the plan within ten (10) calendar days after receipt. The contractor shall make appropriate modifications and obtain acceptance of the plan within forty-five (45) calendar days from the date of award.

The Government may find the QCP "unacceptable" whenever the Contractor's procedures do not accomplish quality control objective(s). The Contractor shall revise the QCP within fourteen (14) calendar days from receipt of notice that QCP is found "unacceptable."

The Contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The Contractor's QCP is the means by which it assures that work complies with the requirements of the TO.

The Contracting Officer may notify the Contractor of required modifications to the plan during the period of performance. Within ten (10) working days, the Contractor then shall coordinate suggested modifications and obtain acceptance of the plan by the Contracting Officer.

Any modifications to the QCP during the period of performance shall be provided to the Contracting Officer for review no later than ten working days prior to the effective date of the change.

4.2.2.1 The QCP shall include the following minimum requirements:

- A description of the inspection system to cover all major services and deliverables. The description shall include specifics as to the areas to be inspected on both a scheduled and unscheduled basis, frequency of inspections, and the title of inspectors.
- A description of the methods to be used for identifying and preventing defects in the quality of service performed.
- A description of the records to be kept to document inspections and corrective or preventative actions taken.
- All records of inspections performed shall be retained and made available to the Government upon request throughout the TO performance period, and for the period after TO completion, until final settlement of any claims under this TO.

4.3 Quality Assurance

The Government will evaluate the contractor's performance of this TO on a regular basis for the tasks listed in the Performance Matrix. The COR or other designated evaluator will follow the method of surveillance specified in Quality Assurance Surveillance Plan. The Government will conduct informal and formal discussions with the contractor to ensure technical quality remains as high as possible. The Government will review written material that is intended for publication for quality and will provide feedback to the contractor. Technical documents submitted to the COR for review are expected to be of a high quality requiring minimal modifications or corrections prior to publication. Unacceptable documents will be returned for corrections and resubmission. The COR will monitor submission of financial and progress reports specified in the CDRL for timeliness and quality. The COR will coordinate with the contractor if minor corrections are required. If major deficiencies occur and are not corrected or if deficiencies are delivered on a routine basis, the COR will provide written notification of unsatisfactory performance to the CO. The CO will review the circumstances of the COR's findings and determine if the contractor is conforming to the terms of the TO and if a corrective action plan is required to return performance to an acceptable quality.

4.3.1 Reporting

The COR will document all defects using a "Task Discrepancy Report (TDR)." The COR will verbally notify the GSA CS or CO of the defect and will submit a copy of the TDR to the GSA CS/CO. The GSA CS/CO will post the TDR into ITSS as an Action Letter to the contractor. The COR will ensure the TDR is completed in its entirety and coordinated through the CO. The contractor will also be furnished a copy of the TDR. The contractor shall furnish their response to the TDR. The contractor's response will address the accuracy and validity of the defect, planned corrective action, and actions to prevent reoccurrence. The TDR information will be included when assessing the contractor's overall performance (i.e., past performance assessments, exercise of options, etc.).

5 General/Administrative

5.1 Business and Technical Meeting

5.1.1 Contract Kickoff Meeting

Within ten (10) business days following the TO award date, the contractor shall meet with the COR to review goals and objectives of the TO and to discuss technical requirements.

5.1.2 Technical Meetings (as required)

During the contract Period of Performance, meetings will be scheduled as required between the contractor and the Government COR and/or task leads to discuss items such as, but not limited to, progress and technical issues.

5.2 Progress Reports

5.2.1 Monthly Status Report (MSR)

The contractor shall provide a MSR for each project that describes the major activities accomplished during the month (CDRL A004). The MSR should also include any current or anticipated problems and briefly summarize the activity planned for the next reporting period. A copy of the monthly report shall be provided to the government COR and submitted into Assisted Acquisition Services Business Systems (AASBS) no later than the 20th calendar day of every month. The contractor shall identify and report all program management actions in the MSR and additional information as requested by the government. This report shall be electronically delivered to the COR via AASBS contain the following information:

- Brief description of projects
- Brief summary of accomplishments during the reporting period and significant events regarding the TO
- Any current or anticipated problems and the resolution
- Summary of all major events and other pertinent information
- Summary of associated travel completed
- Summary of planned travel
- Brief summary of activity planned for the next reporting period
- Initial/updated quad chart for each project

5.2.2 Semiannual Project Summary

On a semiannual basis and prior to the Government's scheduled Program Management Review (PMR), the contractor shall deliver an R&D Project Summary detailing each completed or on-

going technical project. The contractor shall submit reports to the COR IAW CDRL A003. Semiannual reports shall be sufficiently thorough to allow the COR or their designee to evaluate technical quality and rigor. The contractor shall schedule a technical review with the COR or designee such that the review may be conducted 10–15 working days following submission of a semiannual progress report giving the Government sufficient time to review the report.

5.2.3 Financial Summary Report (FSR)

The contractor shall provide a FSR (CDRL A005) that shall contain a financial summary of each Job Order Number (JON) effort and shall be electronically delivered to the COR via AASBS by the 20th calendar day of each month for client acceptance. A copy of the invoice shall be attached to the FSR posted in AASBS. The FSR shall be in Microsoft Excel format and an e-mail shall be sent to the GSA Contract Specialist and COR to notify them the invoice has been submitted for acceptance. Upon client acceptance of the FSR the contractor shall then invoice GSA for payment. The FSR shall include the monthly labor “price” and charges related to ODCs and travel. The government will not pay any unauthorized charges. Original receipts, travel vouchers, etc. completed in accordance with Joint Travel Regulations shall be maintained by the contractor and made available to Government auditors upon request. The FSR shall contain the following information for the overall TO (as applicable) and for each JON awarded on the TO :

- Project Title
- JON descriptive name
- Basic and Incremental Funds Obligated by obligation date
- Total Funds Obligated
- Funds Expended by Month
- Total Funds Expended
- Funds Remaining
- Projected future expenditures by month until funds are exhausted

Labor:

- Employee OASIS labor category (PWS Labor Category)
- CLIN
- Total Billed Labor Hours This Period
- Total Billed Labor Cost This Period
- Total Cumulative Labor Hours
- Total Cumulative Labor Costs
- Total Cumulative Fixed Fee
- Labor Cost incurred but not billed
- Time period of hours billed if different than invoiced period

Materials & Equipment:

- Materials and Equipment Purchased/Description
- Materials and Equipment Billed This Period
- Total Cumulative Material and Equipment Costs
- Material and Equipment Costs incurred but not billed

Travel:

- Travel Authorization Request number/identifier

Billed Travel Costs This Period
Dates of Billed Travel
Total Cumulative Travel Costs
Explanation of travel cost variances exceeding 10% of the approved versus actual costs

The contractor shall also provide for each JON a time-phased graphical representation of funds obligated, cumulative funds expended by month, and projected expenditures by month until funds are exhausted. Data presented on this chart should allow visualization of all historical obligations and expenditures as well as all planned expenditures showing when available funds are expected to be exhausted.

5.3 Technical Reports

5.3.1 Final Technical Report

Prior to expiration of the PoP or extension period the contractor shall submit a Final Technical Report summarizing all technical work accomplished during the TO. All Technical Reports shall be delivered IAW CDRL A001.

5.3.2 Interim Technical Reports or Presentations (as required)

Periodically the contractor shall deliver Interim Technical Reports or presentations that are specific to on-going project requirements. The contractor shall submit reports and presentations to the COR IAW CDRL A002. Interim reports and presentations shall be sufficiently thorough to allow the COR or their designee to evaluate technical quality and rigor.

6 Task Order Terms and Conditions

6.1 Place of Performance

Primary work accomplished under this TO will be accomplished at AFCEC/CXA, Tyndall Air Force Base, Florida where Government facilities, laboratories, test sites, and ranges are available for contractor use during performance of the contract. Contractor may use reach-back capabilities or subcontracting for some aspects of support. The contractor shall also be required to travel to other locations for tests, demonstrations, meetings, presentations and other requirements to fulfill the needs of this contract.

6.2 Hours of Operation

The contractor may schedule duty hours within AFCEC/CXA normal operating hours from 6:00 AM to 6:00 PM, Monday through Friday, with the exception of Government designated holidays or base closures. Duty hours during periods of government approved travel/temporary duty (TDY) may require the contractor to exceed the eight (8) hour per day minimum on Monday through Friday, and to travel and conduct work off-site during weekends and government holidays. Duty hours associated with TDY/travel may be applied in lieu of the 8-hour work period normally scheduled between 6:00 AM and 6:00 PM, Monday through Friday.

6.2.1 Federal Holidays

The contractor shall be in observance of federal holidays for this task order. Accordingly, the Government will not be billed for the following contract holidays:

New Year's Day	01 January
Martin Luther King, Jr. Day	Third Monday of January
President's Day	Third Monday of February
Memorial Day	Last Monday in May
Independence Day	04 July
Labor Day	First Monday in Sept
Columbus Day	Second Monday in October
Veteran's Day	11 November
Thanksgiving Day	Fourth Thursday in November
Christmas Day	25 December

6.2.2 Flexible Hours

Specific circumstances or requirements for certain tasks may require working outside the normal hours of 6:00 AM to 6:00 PM; however, no more than eight hours per day will be required. The contractor shall coordinate, in advance, unusual circumstances or requirements with the COR on a case-by-case basis.

6.2.3 Overtime

Overtime is not anticipated for this task order. An Overtime Premium (FAR 52.222-2 Payment for Overtime Premiums) is defined as the difference between the contractor's regular rate of pay to an employee for the shift involved and the higher rate paid for overtime. Any use of overtime during this contract not authorized by FAR 52.222-2 (a) must be pre-approved by the CO.

6.2.4 Extended Hours

Extended hours may be authorized by the CO. Extended hours are defined as any hours in excess of eighty (80) hours in a two (2) week billing period. Any use of extended hours that require the use of an Overtime Premium must be approved in advance by the COR and CO.

6.2.5 Down Days

These are days designated by the AF as non-duty days for military personnel and liberal leave is exercised for civilian government personnel. Government down days are normal duty days for the contractor; however, the government reserves the right to preclude contractors from performing non-essential tasks on these days if there are security and/or safety concerns. As with government civilian employees, the contractor may exercise a liberal leave policy on down days. AFCEC/CXA estimates approximately 8 down days per year. Regardless of the circumstances, the contractor shall not bill charges for work not performed unless approved by the CO.

6.2.6 Mission Essential Services Determination

The performance of these services is not considered mission essential during time of crisis. No work shall be scheduled when the Base Commander has declared that only mission essential

personnel report for duties. The CO or COR will provide specific instructions/guidance/direction in the event of a national or natural disaster.

6.3 Task Management

The government shall appoint a COR and an ACOR. Management of this task order will be performed by GSA through the COR. The COR will participate in project meetings and receive TO deliverables. The COR will provide technical assistance and clarification required for the performance of this task. Deliverables must be submitted through GSA's Web-Based Order Processing System (currently ITSS) for government approval.

6.3.1 Contracting Officer's Representative (COR) Designation

The CO will appoint a COR and issue a COR Designation Letter stating the authority of the COR. The contractor will receive a copy of the written designation.

The following Defense Federal Acquisition Regulation Supplement (DFARS) clause is incorporated by reference:

DFARS 252-201-7000 Contracting Officer's Representative (Dec 1991)

6.4 Government Furnished Property and Information

The Government will provide office space, computer equipment and time, office telephone, reproduction facilities, standard operating procedures, applicable regulations, manuals, texts, briefs, and other materials associated with work performed at AFCEC facilities on TAFB, FL.

The following Federal Acquisition Regulation (FAR) clause is incorporated by reference:

FAR 52.245-1 Government Property (Jan 2017)

6.4.1 Contractor Furnished Items

Except for those items or services identified in Section 6.4, the contractor must furnish items needed to perform incidental work in accordance with the contract.

6.5 Government-Owned Vehicles

The contractor may be required to drive government-owned vehicles to perform tasks stated within the PWS. The contractor shall comply with AFI 24-301, *Ground Transportation* (<http://www.e-publishing.af.mil>), and base regulations/traffic laws. Contractor personnel who operate government-owned vehicles must have a valid state-issued driver's license and a government driver's license. The contractor shall provide and maintain a list of all individuals authorized to operate GOV's identifying specific vehicle type(s).

6.6 ODCs

6.6.1. Travel

Contractors are required to travel, both locally and outside of the local area, in support of this PWS. Travel outside the local area shall be approved by the COR **in-advance and shall be submitted no later than 5 days prior to date of travel.** Local travel shall be approved and managed by the contractor. All travel costs directly billed to the government shall be reported to the COR the month following settlement of the employee's travel voucher. Supporting documentation will be provided with the contractor's invoice. The following Federal Acquisition Regulation (FAR) clause is incorporated by reference:

FAR 31.205-46 Travel Costs

The contractor shall ensure that the requested travel costs will not exceed what has been authorized in the TO. Contractor incurred actual expenses resulting from Government directed travel are cost reimbursable but are limited by the Government Joint Travel Regulations and must be pre-approved by the COR.

Specific locations and the duration of travel cannot be established at this time, so a Not-To-Exceed travel budget (inclusive of general and administrative charges) is provided in Section 1.2.

6.6.2 Material

A material purchase includes the purchase of equipment, material or supplies. The contractor may be required to obtain materials to perform the requirements in this task order. Those materials must be incidental to and associated with the overall functions being performed through this task order.

To purchase materials, the contractor shall submit a request for authorization to the COR. The form shall identify a request number, JON, item, quantity, item description, reason/purpose purchased, functional area/location material required, unit price estimate, total cost estimate, delivery time, shipping method, if applicable, and applicable attachments (i.e. price analysis or sole source justification as required). The COR will issue a tracking number for material accountability purposes, and the tracking numbers shall be included in the monthly Financial Summary Report.

The COR may approve material/supply requests in the amount of \$25,000.00 or less. The CO shall approve material/supply purchases over \$25,000.00. The Contractor shall abide by the requirements of the FAR in purchasing equipment, supplies and/or materials for the purpose of the work stated in the scope of this task order. Also, the contractor shall comply with their DCMA Approved Purchasing System.

The material request and any associated documentation for purchases above \$25,000.00 shall be submitted via Action Memo through GSA's AAS Business Systems (AASBS) portal, [https://portal.fas.gsa.gov \(aka ITSS\)](https://portal.fas.gsa.gov (aka ITSS)).

Prior to purchasing the materials, the Contractor must ensure adequate funding in the respective JON and have received the appropriate Government approval. To be reimbursed for material, the

monthly FMER material worksheet must show correlation to respective tracking number and, if any, associated Action Memos.

6.7 Privacy Act

Work on this Task Order may require that personnel have access to privacy information. Personnel shall adhere to the Privacy Act, Title 5 of the U.S. Code, Section 552a and applicable agency rules and regulations.

6.8 Section 508 Compliance

The contractor shall support the Government in its compliance with Section 508 throughout the development and implementation of the work to be performed. Section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d) requires that when Federal agencies develop, procure, maintain, or use electronic information technology, Federal employees with disabilities have access to and use of information and data that is comparable to the access and use by Federal employees who do not have disabilities, unless an undue burden would be imposed on the agency. Section 508 also requires that individuals with disabilities who are members of the public seeking information or services from a Federal agency, have access to and use of information and data that is comparable to that provided to the public who are not individuals with disabilities, unless an undue burden would be imposed on the agency. The Industry Partner should review the following Web sites for additional 508 information:

<http://www.section508.gov/index.cfm?FuseAction=Content&ID=12>

<http://www.access-board.gov/508.htm>

<http://www.w3.org/WAI/Resources>

6.9 Reporting Executive Compensation and First-Tier Subcontract Award

Unless otherwise directed by the CO, reporting must occur by the end of the month following the month of award of a first-tier subcontract with a value of \$25,000 or more (and any modifications to these subcontracts that change previously reported data). Reporting on first-tier subcontracts is done at the Federal Funding Accountability and Transparency Act Subaward Reporting System (FSRS) at <http://www.fsrc.gov>.

Reporting on executive compensation is done as part of the annual registration requirement in the System for Award Management (SAM) (FAR 52.204-7). Reporting on executive compensation occurs by the end of the month following the month of a contract award, and annually thereafter. The contractor shall report the names and total compensation of each of the five most highly compensated executives for the contractor's preceding fiscal year.

The contractor shall refer to the following clause incorporated by reference for exceptions and further guidance:

FAR 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (July 2010)

6.10 Contractor Manpower Reporting

Section 2330a of title 10, United States Code (10 USC 2330a), requires the Secretary of Defense to submit to Congress an annual inventory of contracts for services performed during the prior fiscal year for or on behalf of the Department of Defense (DoD). The inventory must include the number of contractor employees using direct labor hours and associated cost data collected from contractors.

The prime contractor shall report all contractor labor hours and cost data (including subcontractor labor hours and cost data) required for performance of services provided under this contract. The prime contractor is required to completely fill in all required data fields in accordance with the contractor's user guide instructions found at <http://www.ecmra.mil>.

Reporting inputs will be for the labor executed during the period of performance for each Government fiscal year (FY), which runs 1 October through 30 September for the life of the contract. While inputs may be reported any time during the FY, all data shall be reported no later than 31 October* of each calendar year. Contractors may direct questions to the Contractor Manpower Reporting Application (CMRA) help desk.

*Reporting Period: Contractors are required to input data by 31 October of each year.

Uses and Safeguarding of Information: Information from the secure web site is considered to be proprietary in nature when the contract number and contractor identity are associated with the direct labor hours and direct labor dollars. At no time will any data be released to the public with the contractor name and contract number associated with the data.

User Manuals: Data for AF service requirements must be input at the AF CMRA link. However, user manuals for government personnel and contractors are available at the Army CMRA link at <http://www.ecmra.mil>

6.11 Security

The highest level of security required for this contract is Secret and is specified on the DD Form 254, *Contract Security Requirements* associated with the contract. The individual(s) designated as the Principal Investigator (see 7.2.1) shall possess an active Secret clearance at the beginning of the period of performance. The contractor shall ensure all employees performing classified work in AFCEC facilities are capable of obtaining and maintaining a Secret clearance. The contractor shall obtain Secret clearances for personnel when required for the assigned task and as expeditiously as possible. Maintaining active Secret clearances for key scientists and engineers is encouraged throughout the contract to avoid delays in task execution. Contractor requests for visit authorization shall be submitted in accordance with DOD 5220.22M (Industrial Security Manual for Safeguarding Classified Information) not later than one (1) week prior to travel/visit.

6.12 Physical Security

While working on TAFB, contractor employees shall comply with directives issued by TAFB implementing Force Protection Condition (aka FPCON) procedures, random antiterrorism measures and local search/identification requirements. Contractor shall safeguard all government property including controlled forms provided for contractor use. At the close of

each work period, laboratory and test equipment, facilities, support equipment and official government written/electronic materials shall be secured. Contractor shall perform end-of-day security checks for rooms or areas in which they perform work or occupy.

6.13 Ceiling Price Notification

If at any time the Contractor has reason to believe that the total costs that will accrue in performing this contract in the next succeeding 30 days, if added to all other payments and costs previously accrued, will exceed 85 percent of the ceiling price in the Schedule, the Contractor shall notify the CO giving a revised estimate of the total price to the Government for performing this contract with supporting reasons and documentation IAW **FAR 52.232-20** Limitation of Cost (Apr 1984) and **FAR 52.232-22** Limitation of Funds (Apr 1984).

7 Staffing

7.1 General Personnel Qualifications

Contractor shall provide a professional staff with specialized knowledge, skills and experience as needed to meet the requirements of technical project objectives under this TO. The Government will not specify general personnel qualifications (exception: Key Personnel are defined in Section 7.2); therefore, the contractor shall define labor categories for scientists, engineers, technicians and technical writers that will be used to meet the requirements described in Sections 1–3. Each labor category shall clearly describe the educational and experience qualifications, e.g., Journeyman Chemist, Master of Science (MS), 3–10 years of experience post qualifying degree.

7.2 Key Personnel

The contractor shall identify Key Personnel, by title/position and qualifications only, in their proposal and quoted for the required full-time equivalent values as shown in Table 8.1. Key personnel must be at least equally qualified as those positions identified in the contractor's proposal. The contractor shall meet the specific qualifications described herein. Multiple capability requirements may be filled using single individuals. All key personnel must be approved based on submitted Statement of Qualifications by the CO before being assigned to this TO.

- 7.2.1 Program Manager/Principal Investigator (PI) (Senior Manager Group 2):** Graduate of an accredited university with a PhD in a field of engineering relevant to EODUST and at least 8 years of RDT&E experience since graduation OR an MS degree in a field of engineering and at least 15 years of experience related to RDT&E. Must have experience in preparing and reviewing research proposals, research plans and test plans. Must have

experience in writing and reviewing complex scientific and/or engineering technical papers.

8 Workload Estimate

A stable core technical staff is anticipated for providing essential on-site RDT&E and baseline technical activities. All other general professional and technical staff shall be provided on an as-needed basis and will be subject to available funding. Attachment 3 provides historical manpower estimates for requirements similar to the four Thrust Areas in AFCEC's PWS. These are provided as a general guideline. The offeror is free to propose a different mix of personnel to meet the requirements of this PWS.

8.1 Transition Activities

Early coordination, communication and preparation are keys to a successful transition. A transition plan will ensure an orderly and efficient transition between the in-coming Contractor and the incumbent Contractor. The Contractor shall be required to submit a Transition-In Plan and a Transition-Out Plan as delineated in the subparagraphs below.

8.1.1 The **Transition-In Plan** will be submitted with the offeror's proposal as part of the evaluation factors. The Transition-In Plan will be implemented on day one of when the offeror is notified of task order award. The Transition-In Plan must take into account that the Government requires a minimum of 15 work days for administrative processing of new contractor employees assuming there are no issues with the information on the personnel provided to the Government. The Government's intent is to provide a transition-in period of thirty (30) calendar days, and the Government will require the Contractor to be fully operational, to include properly cleared personnel at the appropriate classification level, after the transition period has ended. Upon notification of award, the contractor shall provide the Government with appropriate security documentation which will include the names and social security numbers of each employee. At a minimum, the Transition-In Plan shall include the following:

- Identification, by name and position, of each team member on the Transition Team along with each person's associated responsibilities
- Describe management's involvement with the transition
- Provide detailed steps of the transitioning-in activities with completion dates for each activity
- Explain the initial recruitment and hiring process for this requirement
- Identify how personnel will meet all qualifications AND have the appropriate personnel security clearances prior to day one of task order performance
- Identify how the appropriate facility clearance will be obtained prior to task order performance
- State the company's CAGE Code and Cognizant Security Office Name, Address and Zip Code

Transition status updates shall be provided after task order award as directed by the COR. The out-going contractor is responsible for 100% of contract performance and deliverables until the end of the performance period.

- 8.1.2 **Transition-Out.** The contractor shall develop a “Transition-Out Plan” to facilitate the accomplishment of a seamless transition from the incumbent to incoming contractor/government personnel at the expiration of this task order. The contractor shall provide a Transition-Out Plan NLT thirty (30) calendar days prior to expiration of the performance period. In the event an option is not exercised, the contractor will provide a transition-out plan at the direction of the Government within a reasonable, mutually agreed upon timeframe. The contractor shall identify how it will coordinate with the incoming and/or government personnel to transfer knowledge regarding the following: project management processes, points of contact, location of technical and project management documentation, status of ongoing technical initiatives, transfer of leases/utility agreements, etc. associated with off-base facilities used for execution of this contract, appropriate contractor to contractor coordination to ensure a seamless transition, transition of key personnel, identify schedules and milestones, identify actions required of the government, establish and maintain effective communication with the incoming contractor/government personnel for the period of the transition via weekly status meetings and other items determined necessary by the Government.

9 Level of Effort – Term (Cost Reimbursement)

The total estimated level of effort (LOE) procured during the total term of this TO if all options are exercised is (b) (4) man-hours of direct labor including authorized non-ODC subcontract labor, if any:

Period of Performance (12 Months Each)	Estimated Labor Hours
Base Year	(b) (4)
Option 1	(b) (4)
Option 2	(b) (4)
Option 3	(b) (4)
Option 4	(b) (4)
Total (Base + Options):	(b) (4)

9.1 Contract Access Fee

General Services Administration’s (GSA) operating costs associated with the management and administration of the OASIS contract are recovered through a Contract Access Fee (CAF). The amount of CAF is 0.1 percent or 0.001 of the total price/cost of Contractor performance. The Government will obligate funding for the CAF and the Contractor shall collect these fees in accordance with the OASIS contract.

9.2 Incremental Funding Limitation of Government's Obligation

Incremental funding will be used for payment by the Government. Additional incremental funding will be obligated and available for payment by the Government as the funds become available in accordance with Federal Acquisition Regulation (FAR) Clause 52.232-22, Limitation of Funds, which applies to this TO.

When the level-of-effort (LOE) required under the TO is completed, and that work is within the total estimated cost, the Contractor shall be entitled to payment of fixed fee for the TO. The Contractor may present, with its monthly vouchers for costs, a fee voucher in an amount bearing an equal allocation of the total fixed fee per unit of LOE (i.e. all labor hours awarded across all OASIS labor categories) as a certification of LOE funded and expended relative to the total LOE awarded. However, after payment of 85 percent of the fixed fee for the total TO, the CO may withhold further payment of fixed fee until a reserve shall have been set aside in an amount which the CO considers necessary to protect the interest of the Government. This reserve shall not exceed 15 percent of the total fixed or \$100,000, whichever is less.

9.3 Task Order Pricing

The Contractor shall perform the effort required by this task order on a CPFF term basis for all line items in ITSS.

Travel and ODCs required by this task order will be provided on a Cost Reimbursable (CR), on a Not-to- Exceed (NTE) basis.

CAF shall be provided as 0.1% of the total estimated cost of the effort.

10 Invoices

The Contractor shall submit Requests for Payments in accordance with the format contained in General Services Administration Acquisition Manual (GSAM) 552.232-25, PROMPT PAYMENT (NOV 2009), to be considered proper for payment. In addition, the following data elements shall be included on each invoice:

Task Order Number:

Project Title: Air Base Technology IV

The Contractor shall certify with a signed and dated statement that the invoice is correct and proper for payment. The Contractor shall provide invoice backup data in accordance with the contract type, including detail such as labor categories, rates, and quantities of labor hours per labor category. The Contractor shall submit invoices as follows:

- The Contractor shall utilize GSA's electronic Assisted Services Shared Information SysTem (ASSIST) to submit invoices. The Contractor shall submit invoices electronically by logging onto the following link (requires Internet Explorer to access the link): <https://portal.fas.gsa.gov>.

- Log in using your assigned ID and password, navigate to the order against which you want to invoice, click the Invoices and Acceptance Reports link in the left navigator, and then click the Create New Invoice button. The AASBS Help Desk should be contacted for support at 877-472- 4877 (toll free) or by email at AASBS.helpdesk@gsa.gov. By utilizing this method, no paper copy of the invoice shall be submitted to GSA or the GSA Finance Center.

10.1 Invoice Requirements

The Contractor shall submit simultaneous copies of the invoice to both the CO and COR along with all backup documentations (e.g., receipts, credit card transactions reports, proof of indirect rates, monthly expenditure report) prior to its submission in ASSIST.

The Contractor shall:

Combine CPFF and NTE CLINs (e.g., travel, material and equipment) in one invoice submission. Provide receipts for all travel in accordance with JTR and Equipment and Material purchases over \$5,000.

Include the Contract Access Fee (CAF) on the first invoice after receipt of each increment of funds.

The final invoice should be submitted within three (3) months of contract expiration. The Contractor shall provide the Government with a monthly status on when the final invoice will be submitted to the Government upon the completion of the base period or (if exercised) an option period.

10.2 Cost-Plus-Fixed-Fee (CPFF) (For Labor)

The contractor shall invoice monthly on the basis of cost incurred for the CPFF and shall include the PoP covered by the invoice, CLIN number, and JON Identifier Number. All hours and costs shall be reported by CLIN and shall be provided for the current billing month and in total from JON inception to date.

10.3 RESERVED

10.4 RESERVED

10.5 Travel (No Fee)

Local travel will not be reimbursed.

Contractor costs for travel will be reimbursed at the limits set in the following regulations (see FAR 31.205-46):

- Federal Travel Regulations (FTR) - prescribed by the GSA, for travel in the contiguous U.S.

- Joint Travel Regulations (JTR), Volume 2, Department of Defense (DoD) Civilian Personnel, Appendix A - prescribed by the DoD, for travel in Alaska, Hawaii, and outlying areas of the U.S. Department of State Standardized Regulations (DSSR) (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances for Foreign Areas" - prescribed by the Department of State, for travel in areas not covered in the FTR or JTR

The contractor may invoice monthly for the incurred travel costs in compliance with the JTR/FTR.

11 Fixed Fee

The fixed fee, as specified in this TO, subject to any adjustment required by other provisions of this TO, will be realized in installments. The fixed fee will be paid not more frequently than monthly based on the allowable cost. The amount of each such fixed fee installment shall be in the same ratio as the net direct labor hours expended during the installment period are to the total stated direct labor level of effort in hours. Payment shall be made in accordance with FAR Clauses 52.216-7, "Allowable Cost and Payment", and 52.216-8, "Fixed Fee".

In the event of termination of the work in accordance with the FAR Clause 52.249-6, "Termination (Cost Reimbursement)", or the failure of the Government to allot sufficient funds to complete the work in accordance with 52.232-22, "Limitation of Funds", the fixed fee shall be determined by mutual agreement equitably to reflect the portion of the work successfully performed.

12 Travel Indirect Burden/Material Handling Rate

The Contractor's indirect/material handling rate may be applied in accordance with the Contractor's disclosed accounting practices. If no indirect/material handling rate is allowable in accordance with the Contractor's disclosed accounting practices, no indirect/material handling rate shall be applied to or reimbursed on these costs.

13 Travel Indirect Burden

The Contractor's travel indirect burden aggregate rate may be applied in accordance with the Contractor's disclosed accounting practices. If no travel indirect burden rate is allowable in accordance with the Contractor's disclosed accounting practices, no travel indirect burden rate shall be applied to or reimbursed on these costs.

14 Material Handling Rate

The Contractor's material handling aggregate rate may be applied in accordance with the Contractor's disclosed accounting practices. If no material handling rate is allowable in

accordance with the Contractor's disclosed accounting practices, no material handling rate shall be applied to or reimbursed on these costs.

15 Order of Precedence

15.1 OASIS Labor Categories

Offerors shall not deviate from the OASIS labor categories. Labor categories proposed for specialized professional services shall be captured in the composite labor category rate buildup and shall map to the OASIS labor categories.

This Task Order is subject to the terms and conditions provided in the Contractor's OASIS basis contract award (OASIS Pool 4) as well as those outlined in this TO. The Government hereby incorporates (by reference) the Contractor's order proposal. In the event of an inconsistency between documents, the following order of precedence shall apply:

1. OASIS basis contract
2. Task Order Performance Work Statement (PWS)
3. Task Order Attachments, drawings, etc. associated with the PWS
4. Contractor's Task Order proposal

16 Betterments

Betterments if any, in the Contractor's Task Order proposal which exceed the minimum performance requirements identified in the Task Order PWS and associated documents shall be considered the new "minimum" performance requirements upon award and shall be met by the Contractor.

17 Past Performance Information

In accordance with FAR 42.15 Contractor Performance Information, past performance evaluations shall be prepared for each task order that exceeds the simplified acquisition threshold placed against a Government-wide Acquisition Contract. For severable task orders, interim evaluations will be required prior to exercising any option periods.

The Government will provide and record Past Performance Information for acquisitions over Simplified Acquisition Threshold utilizing the Contractor Performance Assessment Reporting System (CPARS). The CPARS allows contractors to view and comment on the Government's evaluation of the Contractor's performance before it is finalized.

Contractors are required to register in CPARS, so Contractors may review and comment on past performance reports submitted.

Contractors must register at the following website:

CPARS: <http://www.cpars.csd.disa.mil/>

18 Performance of Services During Crisis

The Government has determined services performed under this task order are not mission essential during time of crisis.

19 Task Order Closeout

The final invoice should be submitted within three (3) months of contract expiration. The Contractor shall provide the Government with a monthly status on when the final invoice will be submitted to the Government upon the completion of the base period or (if exercised) an option period.

After the final invoice has been paid the contractor shall furnish a completed and signed Release of Claims (GSA Form 1142) to the CO. This release of claims is due within fifteen (15) calendar days of final payment.

The contractor shall cooperate with the CO to close out the TO as soon as practical after expiration, cancellation, or termination. The contractor shall provide the Government with a detailed schedule of close-out actions to be completed for the TO. The schedule shall at minimum include the following:

- Expected date of the final invoice shall be submitted for labor, travel, material and equipment, and CAF.
- Expected date for close-out completion.

After the PoP has ended, the contractor shall provide the CO and COR with monthly updates on the detailed close-out schedule. The contractor's close-out performance will be evaluated and captured through the CPARS module.

20 FAR and DFARS Clauses

All applicable and required provisions set forth in FAR 52.301 automatically flow down to all OASIS solicitations, based on their specific contract type (e.g. cost, fixed price, etc.), statement of work, competition requirements, commercial or not commercial, and dollar value as of the date the task order solicitation is issued. Representation and Certification Provisions from the OASIS master contracts automatically flow down to all OASIS task orders.

This PWS incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the CO will make their full text available. Instructions for submission of certified cost or pricing data and data other than certified cost or pricing data are available from FAR 15.406-2 Certificate of Current Cost or Pricing Data.

20.1 Incorporated Clauses (Full Text)

FAR 52.217-8 -- Option to Extend Services (Nov 1999). The Government may require continued performance of any services within the limits and at the rates specified in the contract.

These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 30 calendar days of the end of the task order.

FAR 52.217-9 -- Option to Extend the Term of the Contract (Mar 2000).

- (a) The Government may extend the term of this contract by written notice to the Contractor within **30 days**; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least **60 days** before the contract expires. The preliminary notice does not commit the Government to an extension.
- (b) If the Government exercises this option, the extended contract shall be considered to include this option clause.
- (c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 66 months.

(End of Clause)

20.2 FAR Clauses Incorporated by Reference

31.205-46	Travel Costs (Aug 2018)
52.204-2	Security Requirements (Aug 1996)
52.204-25	Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)
52.215-2	Audit and Records Negotiation (Oct 2010)
52.216-7	Allowable Cost and Payment (Jun 2013)
52.216-8	Fixed Fee (Jun 2011)
52.219-6	Notice of Total Small Business Set Aside (Nov 2011)
52.219-8	Utilization of Small Business Concerns (Nov 2016)
52.219-14	Limitations on Subcontracting (DEVIATION 2019-O0003) (Jan 2017)
52.219-28	Post-Award Small Business Program Re-representation (Jul 2013)
52.222-2	Payment for Overtime Premiums (Jul 1990)
52.222-24	Preaward On-Site Equal Opportunity Compliance Evaluation (Feb 1999)
52.222-50	Combating Trafficking in Persons (Mar 2015)
52.227-1	Authorization and Consent (Dec 2007)
52.227-2	Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2007)
52.230-1	Cost Accounting Standards Notices and Certification (Oct 39992015)
52.230-3	Disclosure and Consistency in Cost Accounting Practices (Oct 2015)
52.232-20	Limitation of Cost (Apr 1984)
52.232-22	Limitation of Funds (Apr 1984)
52.233-1	Disputes (May 2014)
52.233-1	Disputes-Alternate I (May 2014)
52.237-3	Continuity of Services (Jan 1991)
52.237-10	Identification of Uncompensated Overtime (Oct 1997)
52.242-13	Bankruptcy (July 1995)
52.242-15	Stop Work Order (Aug 1989)

52.245-15	Stop Work Order Alternate I (Apr 1984)
52.243-2	Changes-Cost Reimbursable (Aug 1987)
52.244-2	Subcontracts (Oct 2010)
	(d) TBD
52.244-5	Competition in Subcontracting (Dec 1996)
52.246-3	Inspection of Supplies – Cost Reimbursable (May 2001)
52.246-4	Inspection of Services— Cost Reimbursable (Aug 1984)
52.246-16	Responsibility for Supplies (Apr 1984)
52.246-23	Limitation of Liability (Feb 1997)
52.249-6	Termination (Cost Reimbursable) (May 2004)
52.249-14	Excusable Delays (Apr 1984)
52.251-1	Government Supply Sources (Apr 2012)
52.245-1	Government Property (Apr 2012)
52.245-9	Use and Charges (Apr 2012)

20.3 DFARS Clauses Incorporated by Reference

252.201-7000	Contracting Officer’s Representative (Dec 1991)
252.203-7000	Requirements Relating to Compensation of Former DoD Officials (Sep 2011)
252.203-7001	Prohibition on Persons Convicted of Fraud or Other Defense-Contract Related Felonies (Dec 2008)
252.203-7002	Requirement to Inform Employees of Whistleblower Rights (Sep 2013)
252.203-7003	Agency Office of the Inspector General (Dec 2012)
252.203-7004	Display of Hotline Posters (Oct 2015)
252.204-7000	Disclosure of Information (Aug 2013)
252.204-7003	Control of Government Personnel Work Product (Apr 1992)
252.204-7012	Safeguarding Covered Defense Information and Cyber Incident Reporting (OCT 2016)
252.209-7004	Subcontracting with Firms That are Owned or Controlled by the Government of a Terrorist Country (Oct 2015)
252.211-7003	Item Identification and Valuation (Dec 2013)
252.211-7007	Reporting of GFP to the DoD UID Registry (Aug 2012)
252.222-7006	Restrictions on the Use of Mandatory Arbitrations Agreements (Dec 2010)
252.223-7006	Prohibition of Storage, Treatment, and Disposal of Toxic or Hazardous Materials (Sep 2014)
252.226-7001	Utilization of Indian Organizations, Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns (Sep 2004)
252.227-7013	Rights in Technical Data – Noncommercial Items (Feb 2014)
252.227-7016	Rights in Bid or Proposal Information (Jan 2011)
252.227-7025	Limitations on the Use or Disclosure of Government Furnished Information Marked with Restrictive Legends (May 2013)
252.227-7030	Technical Data—Withholding of Payment (Mar 2000)
252.227-7037	Validation of Restrictive Markings on Technical Data (Jun 2013)
252.228-7001	Ground and Flight Risk (June 2010)
252.231-7000	Supplemental Cost Principles (Dec 1991)
252.232-7010	Levies on Contract Payments (Dec 2006)

- 252.235-7011 Final Scientific or Technical Report (Jan 2015)
- 252.244-7000 Subcontracts for Commercial Items and Commercial Components DoD Contracts) (Jun 2013)
- 252.244-7001 Contractor Purchasing System Administration- Basic (May 2014)
- 252.245-7001 Tagging, Labeling and Marking GFP (Apr 2012)
- 252.245-7002 Reporting Loss of Government Property (Apr 2012)
- 252.245-7003 Contractor Property Management System Admin (Apr 2012)
- 252.245-7004 Reporting, Reutilization, and Disposal (Mar 2015)
- 252.247-7023 Transportation of Supplies By Sea- Basic (Apr 2014)

20.4 GSAM Clauses Incorporated by Reference

- 552.237-71 Qualifications of Employees (May 1989)
- 552.241-70 Availability of Funds for the Next Fiscal Year or Quarter (Sep 2010)

20.5 Records/Data

All data and data rights associated with this effort will be the property of the United States Air Force. The contractor shall establish a hardcopy or electronic document control system to include scanning and electronic filing of source documents. The purpose of files/record maintenance is to establish and maintain internal and external records to provide accountability and preparation for audits and inspections.

20.6 Non-Personal Service Clause

The client has determined that use of the GSA contract to satisfy this requirement is in the best interest of the government, economic and other factors considered, and this task order is not being used to procure personal services prohibited by the Federal Acquisition Regulation (FAR) Part 37.104 titled "Personal Services Contract."

21 Abbreviations and Acronyms

3D	Three-Dimensional
A2/AD	Anti-Access / Area Denial
AASBS	Assisted Acquisition Services Business Systems
ACOR	Alternate Contracting Officer's Representative
ADR	Airfield Damage Repair
AF	Air Force
AFCEC	Air Force Civil Engineer Center
AQL	Acceptable Quality Level
ASSIST	Assisted Services Shared Information SysTem
BS	Bachelor of Science
CAF	Contract Access Fee
CBRN	Chemical, Biological, Radiological, and Nuclear
CBRNE	Chemical, Biological, Radiological, Nuclear, and Explosive
CDRL	Contract Data Requirements List
CE	Civil Engineering
CLIN	Contract Line Item Number
CMRA	Contractor Manpower Reporting Application
CO	Contracting Officer
COR	Contracting Officer's Representative
COTS	Commercial-Off-The-Shelf
CPARS	Contractor Performance Assessment Reporting System
CPFF	Cost Plus Fixed Fee
CR	Cost Reimbursable
CS	Contract Specialist
CXA	Requirements and Acquisition Division
CXAE	Airbase Acquisition Branch
DFARS	Defense Federal Acquisition Regulation Supplement
DOA	Date of Award
DoD	Department of Defense
DSSR	U.S. Department of State Standardized Regulation
EOD	Explosive Ordnance Disposal
EODUST	EOD and Unmanned Systems Technologies
FAR	Federal Acquisition Regulation
FOD	Foreign Object Damage
FPCON	Force Protection Condition
FSR	Financial Summary Report
FSRS	Funding Accountability and Transparency Act Subaward Reporting System
FTE	Full-Time Equivalent
FTR	Federal Travel Regulation
FY	Fiscal Year
GFP	Government Furnished Property
GSA	General Services Administration
GSAM	General Services Administration Acquisition Manual

HAZCOM	Hazard Communication
IAW	In Accordance With
ID	Identification
IED	Improvised Explosive Device
ITSS	IT Solutions System
JAUS	Joint Architecture for Unmanned Systems
JON	Job Order Number
JTR	Joint Travel Regulation
L&MS	Logistics and Mission Support
LOE	Level Of Effort
m	meter
M&S	Modeling and Simulation
MAOS	Minimum Aircraft Operating Surfaces
MS	Master of Science
MSR	Monthly Status Report
NACI	National Agency Check with Inquiries
NAICS	North American Industry Classification System
NTE	Not to Exceed
O&M	Operations and Maintenance
OASIS	One Acquisition Solution for Integrated Services
ODC	Other Direct Cost
Ops	Operations
PhD	Doctor of Philosophy
PI	Principal Investigator
PMR	Program Management Review
POC	Points of Contact
PoP	Period of Performance
PPIRS	Past Performance Information Retrieval System
PWS	Performance Work Statement
QCP	Quality Control Plan
R&D	Research and Development
RADR	Rapid Airfield Damage Recovery
RDT&E	Research, Development, Test and Evaluation
RF	Radio Frequency
SAE AS-4	SAE International's Technical Committee on Unmanned Systems
SAM	System for Award Management
SCO	Senior Contracting Officer
STANAG	NATO Standardization Agreement
sUAS	Small Unmanned Aircraft System
TAFB	Tyndall Air Force Base
TDR	Task Discrepancy Report
TDP	Technical Data Package
TDY	Travel/Temporary Duty
TO	Task Order
TTP	Tactics, Techniques, and Procedures
UID	Unique Identification
USAF	United States Air Force

UXO	Unexploded Explosive Ordnance
VIP	Very Important Person
XML	Extensible Markup Language

22 Attachments

Attachment 1:

CDRL A001 – Scientific and Technical Reports – Final Report

CDRL A002 – Interim Technical Report or Presentation

CDRL A003 – R&D Project Summary – Semiannual Project Summary

CDRL A004 – Status Report - Monthly Status Report (MSR)

CDRL A005 – Funds and Man-Hour Expenditure Report – Financial Summary Report

Attachment 2 Robotics GFE

Attachment 3 Historical Manning for Similar Requirements